

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau

(43) International Publication Date 28 December 2000 (28.12.2000)

PCT

(10) International Publication Number WO 00/79617 A1

(51) International Patent Classification7: H01L 51/20

(21) International Application Number: PCT/GB00/02404

(22) International Filing Date: 21 June 2000 (21.06.2000)

(25) Filing Language:

English

(26) Publication Language:

9914489.1

9928435.8

English

GB

(30) Priority Data:

21 June 1999 (21.06.1999)

1 December 1999 (01.12.1999)

(71) Applicant (for all designated States except US): CAMBRIDGE UNIVERSITY TECHNICAL SERVICES LIMITED [GB/GB]; The Old Schools, Trinity Lane, Cambridge CB2 1TS (GB).

(72) Inventors; and

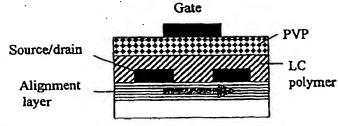
(75) Inventors/Applicants (for US only): SIRRINGHAUS, Henning [DE/GB]; Churchill College, Cambridge CB3 0DS (GB). FRIEND, Richard, Henry [GB/GB]; 37 Barton Road, Cambridge CB3 9LG (GB). WILSON, Richard, John [GB/GB]; 55B Smugglers Lane North, Christchurch, Dorset BH23 4NQ (GB).

(74) Agents: SLINGSBY, Philip, Roy et al.; Page White & Farrer, 54 Doughty Street, London WC1N 2LS (GB).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

[Continued on next page]

(54) Title: ALIGNED POLYMERS FOR AN ORGANIC TFT



(57) Abstract: A method for forming an electronic device having a semiconducting active layer comprising a polymer, the method comprising aligning the chains of the polymer parallel to each other by bringing the polymer into a liquid-crystalline phase.



